CRFE

### SEARCH REQUEST FORM

Access DB#/48326

Scientific and Technical Information Center

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	Ne ZARA	Examiner #: 77512 Date: 3-21-05	
Art Unit:/ 6 35 Phone	e Number 36 2-0	/ <del></del>	
	ion: <u> </u>	esults Format Preferred (circle): PAPER DISK E-MAIL	
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	~~~~~~~~~~~	itize searches in order of need.	
Please provide a detailed statement of t Include the elected species or structures utility of the invention. Define any ten known. Please attach a copy of the cover	ns that may have a special	be as specifically as possible the subject matter to be searched. ronyms, and registry numbers, and combine with the concept or meaning. Give examples or relevant citations, authors, etc., if and abstract.	
Title of Invention:	Arthrel	tend cell - conso.	
Inventors (please provide full names)	- PATRIC	K Iversen	
Earliest Priority Filing Date:	1/4/01		
*For Sequence Searches Only* Please inc	dude all pertinent information	n (parent, child, divisional, or issued patent numbers) along with the	
appropriate serial number.	mas an porman injormano	n (parent, child, divisional, or issued patent numbers) along with the	
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rcher Location:	Structure (#)	Questel/Orbit	
e Searcher Picked Up: 3000	Bibliographic	Dr. Link	
e Completed:3/_28/05_	Litigation	Lexis/Nexis	
rcher Prep & Review Time:	Fulltext	Sequence Systems	

Other (specify)

TO-1590 (8-01)

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March 26, 2005, 07:42:52 ; Search time 1840 Seconds
(without alignments)
212.620 Million cell updates/sec
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/pna/US095B_COMB.seq:
/pna/US095C_COMB.seq:
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/cgn2_6/ptcdata/1/pna/US099B_COMB.seq
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                       45554873 segs, 20411521753 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
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Maximum Match 100%
Listing first 45 summaries
                                                                                                   nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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20
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Maximum DB seq length: 100
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March 26, 2005, 07:27:26; Search time 2968 Seconds (without alignments) 256.498 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                    34239544 segs, 19032134700 residues
                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	ç			AL867656	SALK 1015	OST344683	Arabidops	SWAMCAC21			2M0275K09	_		BJ076566		tr82f12.x	AU013977	qi28h01.x				am70b01.8		•		AU259026
	Description	741	AA743605	AL867656	BH902914	CG62998	BX288153	AW466292	CG505735	CL529492	AZ991462	BQ856685	CN870555	BJ076566	AZ834300	AI569137	AU013977	AI246108	BI322307	AI506296	CB005039	AA989601	AW517453	CB912629	A1472629	AU259026
SUMMARIES	£		AA743605	AL867656	BH902914	CG629998	BX288153	AW466292	CG505735	CL529492	AZ991462	BQ856685	CN870555	BJ076566	AZ834300	AI569137	AU013977	AI246108	BI322307	AI506296	CB005039	AA989601	AW517453	CB912629	A1472629	AU259026
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	9	2000	15.8	15.2	15	14.8	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
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source

1..88
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/organism="Homo sapiens"
/mol\_type="mRNA"
/db\_xref="taxon:9606"
/clone="TMAGE:1308569"
/tissue\_type="germinal center B cell"
/lab host="DH108"
/clone lib="NCI\_CGAP\_GCB1"
/lone="Totor: pT773D-Pac (Pharmacia) with a modified
/note="vector: pT773D-Pac (Pharmacia) with a modified
polylinker; Site 1: Not 1; Site 2: Eco RI; lst strand cDNA
was prepared from human tonsillar cells enriched for
germinal center B cells by flow sorting (CD20+, IgD-),
provided by Dr. Louis M. Staudt (NCI), Dr. David Allman
(NCI) and Dr. Gerald Marti (CBER). cDNA synthesis was
primed with a Not I - oligo(dT) primer

	110887010			77777777777777777777777777777777777777	1170100	AA923000 AI281511 D18647 BE467536 A1431273 AW105457 BE9642148	AA923000 AI281511 D18647 MU BE467536 AI431273 AW105457 BF942148	0 ok76b06.8 1 qu57c08.x MUSGS01708 6 hz72b08.x 3 ar57b07.x 7 xd53a03.x 8 nae87f03.
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.0000000000000000000000000000000000000	 88888888888888888888888888888888888	Q G L 4 G L 4 G L 4 G	BF942084 BF942084 AAB76162 AAB76162 CC7996779 A1571089 A1327534 AG07611 AA970553 BH901163 AA831914 BG152913	BF942084 CB975084 AA876160 CC796779 AI571089 AI327534 BG057611 AA970553 BG272079 BH901163 AA831914 BG152913 AW240409	nae86e07. vvvD172b09 nx21c06.8 xx18g12.y sALK_1372 to26g11.x EST149 Mo nah93d01. oo94h01.8 nai56h12. SALK_0733 oe21g11.8 nah94b03.
	RESULT 1 AA743605/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE		AA743605 ca52bb9.rl NCI mRNA sequence. AA743605 BST. Homo sapiens ()		AP 831: an)	ALIGNMENTS 88 bp mRNA CGAP_GCB1 Homo sapiens CDNA 2783111 uman)	linear EST 23-JAN clone IMAGE:130856	23-JAN-1998 308569 5',
	ORGANISM REFERENCE AUTHORS TITLE JOURNAL COMMENT		Homo sapiens Metasca; Chordate Eukaryota; Metasca; Chormatee 1 (bases 1 to 88) National Caner Institute; Chumor Gene Index Unpublished (1997)	ns Metazoa Butheria 1 to 88) ttp://ww ancer In Index d (1997)	a; a; ww. net	right da	Craniata; Vertebrata; Butel Catarrhini; Hominidae; Homo ih.gov/ncicgap. cer Genome Anatomy Project	Euteleostomi; Homo. ject (CGAP),
•	FEATURES	Email Tissu Ph.D. CDN CDN CDN CDN CON Founc www-k Inser Seq k	Email: cga Thissue Proc Thissue Proc CDNA Libra CDNA Libra DNA Sequer Clone dist Clone dist Found throu www-bio.lli Waw-bio.lli Seg primert Leng Seg primert High quamer	cgapbs-r@mail.nih.; Procurement: Louis Gerald Marti, M.D. ibrary Preparation ibrary Arrayed by: ibrary Arrayed by: dgatribution: NCI-dhrough the I.M.A.G illal gov/bbrp/imag Length: 1755 Std mer: -28mil rev1 E mer: -28mil rev1 E ibrity sequence stop Location/Qualifie	tti. tti. par. On: On: On.	f. Staudt, M.D.,  d. Bento Soares eeg Lennon, Ph. con University R clone distri Consortium/LL image.html rror: 0.00 rror: 0.00 rror: Amersham 662.		David Allman, M. Fatima equencing Center nformation can be

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COMB. seq: *
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/cgn2_6/ptodata/
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207.910 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pna/PcTUS1_COMB.seq:*
2: /cgn2_6/ptodata/1/pna/PcTUS2_COMB.seq:*
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20: /cgn2_6/ptodata/1/pna/US09_BCOMB.s
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Maximum Match 100%
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Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 200000000
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## GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

Run on:

OM nucleic - nucleic search, using sw model

March 26, 2005, 04:52:49; Search time 3094 Seconds (without alignments) 246.052 Million cell updates/sec

US-09-754-468-47 20 1 gattagcataataaaatctc 20

Title: Perfect score: Sequence:

IDENTITY\_NUC Gapop 10.0 , Gapext 1.0 Scoring table:

34239544 segs, 19032134700 residues Searched:

68479088 Total number of hits satisfying chosen parameters:

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 200000000

gb\_est1:\*
gb\_est2:\*
gb\_htc:\*
gb\_est3:\* EST: \* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

CITHMARIES

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GenCore version 5.1.6
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March 26, 2005, 05:11:41; Search time 400 Seconds (without alignments) 58.914 Million cell updates/sec
OM nucleic - nucleic search, using sw model
                                                      Run on:
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1 gattagcataataaaatctc 20 IDENTITY\_NUC Gapop 10.0 , Gapext 1.0 US-09-754-468-47 20 Title: Perfect score: Scoring table:

Sequence:

5793115 seqs, 589143167 residues Searched: 11586230

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Pending Patents NA New:\*

| /cgn2 6/ptodata/1/pna/USO6 NEW
| /cgn2 6/ptodata/1/pna/USO8 NEW
| /cgn2 6/ptodata/1/pna/USO8 NEW

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Query Score Match Length DB Result No.

Description

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

/cgn2\_6/ptodata/1/pna/US10\_NEW\_COMB.seq:\* /cgn2\_6/ptodata/1/pna/US10\_NEW\_COMB.seq:\* /cgn2\_6/ptodata/1/pna/US11\_NEW\_COMB.seq:\* /cgn2\_6/ptodata/1/pna/US60\_NEW\_COMB.seq:\* Database :

Mon Mar 28 08:23:18 2005

# GenCore version 5.1.6 Copyright (c) 1993. - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

March 26, 2005, 04:38:33; Search time 1670 Seconds (without alignments) 580.302 Million cell updates/sec

US-09-754-468-47 20

Title: Perfect score:

Run on:

Sequence:

Scoring table:

1 gattagcataataaaatctc 20 IDENTITY NUC Gapop 10.0 , Gapext 1.0 4708233 seqs, 24227607955 residues

Searched:

9416466 Total number of hits satisfying chosen parameters:

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 200000000

gb\_htg:\* gb\_in:\* gb\_om:\* GenEmbl:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

a Result Query No. Score Match Length DB

### GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

Run on:

OM nucleic - nucleic search, using sw model

March 26, 2005, 04:03:09; Search time 433 Seconds (without alignments) 273.429 Million cell updates/sec

US-09-754-468-47 20

IDENTITY NUC Gapop 10.0 , Gapext 1.0

Scoring table:

1 gattagcataataaaatctc 20

Title: Perfect score: Sequence:

4390206 segs, 2959870667 residues Searched: 8780412 Total number of hits satisfying chosen parameters:

Post-processing: Minimum March 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 200000000

geneseqn2004as: geneseqn2003cs: geneseqn2003ds: N Geneseq 16Dec04:\* geneseqn2000s:\* geneseqn2001as:\* geneseqn1990s:\* geneseqn2003bs: Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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GenCore version 5.1.6
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March 26, 2005, 06:21:46; Search time 1662 Seconds (without alignments) 583.095 Million cell updates/sec
OM nucleic - nucleic search, using sw model
                                                          Run on:
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1 gattagcataataaaatctc 20 IDENTITY NUC Gapop 10.0 , Gapext 1.0 US-09-754-468-47 20 Title: Perfect score: Sequence: Scoring table:

4708233 seqs, 24227607955 residues Searched:

2238514 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

GenEmbl:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Query Match Length DB Score Result No.

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GenCore version 5.1.6
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March 26, 2005, 07:34:21; Search time 127 Seconds (without alignments) 257.681 Million cell updates/sec OM nucleic - nucleic search, using sw model Run on: . ]

1 gattagcataataaaatctc 20 US-09-754-468-47 20 Perfect score: Sequence: Title:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

1202784 segs, 818138359 residues Searched:

1330268 Total number of hits satisfying chosen parameters:

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 100

/cgm2\_6/ptodata/1/ina/5A\_COMB.seq:\*
/cgm2\_6/ptodata/1/ina/5B\_COMB.seq:\*
/cgm2\_6/ptodata/1/ina/6A\_COMB.seq:\*
/cgm2\_6/ptodata/1/ina/6B\_COMB.seq:\*
/cgm2\_6/ptodata/1/ina/PcTUS\_COMB.seq:\*
/cgm2\_6/ptodata/1/ina/pcTUS\_COMB.seq:\* Issued Patents NA: Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Query Match Length DB Score Result No.

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GenCore version 5.1.6
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March 26, 2005, 06:19:36 ; Search time 422 Seconds (without alignments) 280.556 Million cell updates/sec
OM nucleic - nucleic search, using sw model
                                                       Run on:
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1 gattagcataataaaatctc 20~ US-09-754-468-47 20 Title: Perfect score: Scoring table: Sequence:

4390206 segs, 2959870667 residues IDENTITY NUC Gapop 10.0 , Gapext 1.0 Searched: 4530610 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

geneseqn2003cs:\*geneseqn2003ds:\* geneseqn2004as:\*geneseqn2004bs:\* genesequ1990s:\* genesequ1990s:\* genesequ2000s:\* geneseqn2003bs: N Geneseq 16Dec04: Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result Query No. Score Match Length DB

```
GenCore version 5.1.6
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```

```
OM nucleic - nucleic search, using sw model
```

March 26, 2005, 07:50:07; Search time 396 Seconds (without alignments) 59:509 Million cell updates/sec Run on:

US-09-754-468-47 20 1 gattagcataataaaatctc 20 Title: Perfect score: Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

5793115 segs, 589143167 residues Searched:

10729062 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 100

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

\_6/ptodata/1/pna/US10\_NEW\_COMB.seg.\* \_6/ptodata/1/pna/US10\_NEW\_COMB.seq?: \_6/ptodata/1/pna/US11\_NEW\_COMB.seq:\* \_6/ptodata/1/pna/US60\_NEW\_COMB.seq:\* otodata/1/pna/US07 otodata/1/pna/US08 ptodata/1/pna/US09 ptodata/1/pna/US0 Database :

Pred. No: is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Ouery Score Match Length DB

Result No.

```
GenCore version 5.1.6
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```

```
March 26, 2005, 05:27:46; Search time 499 Seconds (without alignments) 238.851 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6/prodate 1/pubpna/1806 NBM PUB.seq:*
6/prodate 1/pubpna/U806 PUBCOMB.seq:*
6/prodata/1/pubpna/U806 PUBCOMB.seq:*
6/prodata/1/pubpna/U808 NBW PUB.seq:*
6/prodata/1/pubpna/PS08 NBW PUB.seq:*
6/prodata/1/pubpna/U808 NBW PUB.seq:*
6/prodata/1/pubpna/U809A PUBCOMB.seq:*
2 6/prodata/1/pubpna/U809A PUBCOMB.seq:*
2 6/prodata/1/pubpna/U809A PUBCOMB.seq:*
2 6/prodata/1/pubpna/U809B PUBCOMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ptodata/1/pubpna/US10_NEW_PUB.seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NEW PUB. sec
                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                    5552208 segs, 2979665951 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Applications NA:
OM nucleic - nucleic search, using sw model
                                                                                                                                                                                            1 gattagcataataaaatctc 20
                                                                                                                                                                                                                                          IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                            US-09-754-468-47
20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Published Published
                                                                                                                                            Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                               Scoring table:
                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database
                                                Run on:
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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OM nucleic - nucleic search, using sw model

Run on:

March 26, 2005, 04:55:19 ; Search time 129 Seconds (without alignments) 253.686 Million cell updates/sec

US-09-754-468-47 20 Title: Perfect score:

1 gattagcataataaaatctc 20

Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

1202784 seqs, 818138359 residues Searched:

2405568

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

/cgm2\_6/ptodata/1/ina/5A\_COMB.seq:\*
/cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*
/cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*
/cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*
/cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*
/cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\* Issued\_Patents\_NA:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

```
GenCore version 5.1.6
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```

March 26, 2005, 08:17:57 ; Search time 489 Seconds
(without alignments)
243.735 Million cell updates/sec Run on:

OM nucleic - nucleic search, using sw model

US-09-754-468-47 20 Title: Perfect score:

1 gattagcataataaaatctc 20

Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

5552208 segs, 2979665951 residues Searched:

5451806 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

1/pubpna/PcT NEW PUB. seq:\*
1/pubpna/USO6 NEW PUB. seq:\*
1/pubpna/USO6 NEW PUB. seq:\*
1/pubpna/USO7 NEW PUB. seq:\*
1/pubpna/PcTUS PUBCOMB. seq:\*
1/pubpna/USO8 NEW PUB. seq:\*
1/pubpna/USO8 NEW PUB. seq:\* /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\* pubpna/US09A PUBCOMB.seq /pubpna/US09B PUBCOMB.se Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq: \_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:

/cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seg